

SR87 Embankment & Slope Repair Project



Annual Partnering Event
Dec. 3, 2008
Presenter: Kimberly Royden Butler

Partners

RROYDEN
CONSTRUCTION
CO. *SINCE 1927*

RST Land Surveying, Inc.
Western State's Profiling
Combs Construction
Company, Inc.

CONTECH®
CONSTRUCTION PRODUCTS INC.


Windswept Organix



HT HIGHWAY
TECHNOLOGIES

DMJM HARRIS | AECOM



Red Mountain Machinery
Heavy Equipment Rental & Sales

Original Expectations

► Preventive Maintenance

- Flatten 3 slope segments
- Haul / Place waste material
- Culvert extension
- Drilled shafts & Waler beam for slope stabilization



Reality

► Emergency Repair

- Landslide created need to:



- Move 184,000 cubic yards of earth
- Design a solution to result in more stable slopes
- Prevent future landslides
- Protect travelling public

Immediate Action

- ▶ Immediate Partnership
 - 1 phone call and Partnership in place
 - Within 3 hours
 - Crews on site
 - Within 6 hours
 - Traffic control in place
 - Equipment on site



Partnership Principles

▶ Charter

◦ CODE OF ETHICS

- | | | |
|---------------|----------------|---------------|
| • Honesty | Follow Through | Understanding |
| Teamwork | Open Minded | Respect |
| Trust | Good Listening | Patience |
| Be Responsive | | |

◦ GOALS

- Reach completion deadline
- Stay within budget
- Make a profit
- Maintain safety



Issue Resolution Highlights

▶ Continual challenges faced

- 10 hours a day, tandem shifts
- Up to 7 day work weeks
- Crucial deadline of Memorial Day

▶ Sample issues

- Continuous slope shifting
- Placement of additional removed materials
- Shoulder Pile placement





Teamwork Highlights

- ▶ Hectic, stressful climate from Day One
 - Communication a necessity
- ▶ “No getting back to you tomorrow” on this project – rather...
- ▶ “We’ll do what we have to, to get there and get this fixed now”

Teamwork

- ▶ Understanding was key – Knew what was required and what everyone needed to do
- ▶ The emergency nature built commitment faster and to last
- ▶ Everyone “Owned” the project as their own.



Value/Outcomes

- ▶ Project Success
 - Road opened on time, within budget
 - No heavy leftover tasks, no claims, no complaints
 - No injuries
- ▶ HUGE sense of PRIDE
 - “We did it!!!”
- ▶ Good relationships were made even stronger



Special Thanks to all our Partners...

Doug Forstie

Dallas Hammit

Tom Goodman

James Wilson

John Lawson

Jim Delton

Jack Tagler

James Laird

Sue Mona

Keith Dahlen

Wayne Harrison

Rob Ingram

Terry Brennan

Tom Royden

Barry Smylie

Jeff Haught

Ken Ervin

Mike Protega

Kevin Woudenberg

Joe LaGuardia

Ben Granillo

Scott Bates

Brian Gallimore

Jim Combs

AND

All the people who made
this project a success!